

FOLIO

UNIVERSITY OF ALBERTA
6 SEPTEMBER 1991



INSIDE

- Smith looking at Alberta's gambling scene
- Carney studying missionaries' educational work in Arctic
- Faculty promotions announced by University

SU President wants to improve Students' Union credibility

It is becoming increasingly important that the Students' Union be perceived by others inside and outside the University of Alberta environment as a credible organization, says this year's SU President.

"In the past we have been hampered by not thinking through issues and by not formalizing our policies on the important issues," says Marc Dumouchel, a fourth year BA Special student majoring in philosophy and minoring in political science.

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Marc Dumouchel

Past SU executives have also been tied to their year-long mandates. Some projects have had to be completed within the year, "and we're starting to move away from that," says Dumouchel. "We're beginning to identify where we want to be as an organization in five years."

He estimates the SU is about to go through a two to three year period of organizational review. It will likely take a year to develop a mission/vision statement, set organizational goals and then determine what some of the SU's objectives are, he explains.

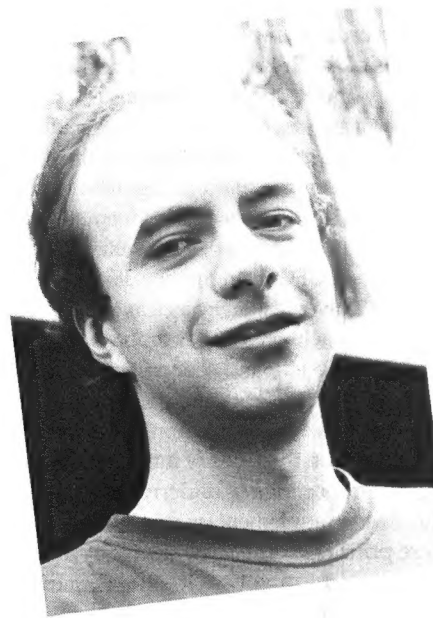
Like other organizations, the SU's financial situation is deteriorating. "In the last few years our businesses have been declining, and we're trying to turn that around," says Dumouchel. That may mean giving those businesses more autonomy and holding managers accountable. Moreover, the SU will be looking at its staffing.

"This is a big organization and it's a lot to manage," he says. "We're understaffed in some areas and overstaffed in other areas."

On the broader University-related issues, Dumouchel's views echo many of those expressed by his predecessors. On the issue of accessibility, Dumouchel says, "The students from economically disadvantaged homes are finding it more difficult to go to University; slowly but surely, the U of A is becoming elitist," he says.

It's important that the University remain in the housing business if it wants to claim it is a university serving the entire province, he says. "You can't do that without residences," he says, noting his own rural roots as a student from Westlock. He says he wouldn't have become SU president if he had not lived in residence where he met people and established friendships.

The basic problem is underfunding, he says. However, Dumouchel is adamant that students should not be treating government members like fools. That kind of arrogance is insulting, he says, "and I've never understood that."



Marc Dumouchel, this year's Student Union president, eyes organizational review.

The U of A's operating budget is in a state of crisis, and unlike other more modern post-secondary institutions in the province, the University has an older physical plant it has to maintain, he explains.

For the first time, Dumouchel couldn't get into a course this year, a 400 level philosophy course. More and more students are having to take an extra year to complete their degrees and increasing numbers of students in high schools are also taking an extra year. "Students would prefer to get out in four years."

Continued on page 8

Pretzlaff going to Soviet Union

Dan Pretzlaff is going to the Soviet Union later this month.

In conjunction with the Soviet Ministry of Urban Economics, the Citizen Ambassador Program of People to People International has chosen a group of public works specialists from across North America to assess the massive rebuilding efforts now going on in that country.

Pretzlaff, Superintendent, Building Trades Division, Department of Physical Plant, will visit Moscow, Kiev and Leningrad where the delegation will be briefed on Soviet public works trends and industrial expansion projects throughout the country.

Pretzlaff is looking forward to the opportunity to exchange ideas, concepts and proven methods through technical sessions and field trips.

Currently, in the Soviet Union, immense rebuilding is challenging Soviet industrialists in areas such as maintenance, technology transfer, solid and hazardous waste disposal, transportation systems, public utilities, water supply, computer-aided design, organizational structure, municipal administrative management, sewer design and treatment and resource development.

The Citizen Ambassador Program of People to People International is an American organization founded in 1956 by then President Dwight Eisenhower to improve communication between Americans and other citizens around the world. It administers professional exchanges in disciplines such as law, medicine, agriculture, finance, basic sciences, energy, industrial technology and building science.

Certificate program helps those who help women

A new certificate program offered by the Faculty of Extension will address fundamental gaps in services available for women. Offered by the Women's Program and Resource Centre on campus, the Counselling Women Certificate Program will increase the number of people able to provide basic counselling for women from feminist perspectives.

"Every day across the province, women seeking help with problems in their personal or professional lives are running into stone walls of misunderstanding," says program director Pat Rasmussen.

"Traditional approaches to counselling are not women-centred, and women are not getting the help they deserve," she says. "There are so few places they can turn." She points out that the Women's Resource Centre frequently receives calls from women who describe being demeaned and violated by counsellors in a variety of professions—from financial advisors to crisis counsellors.

Rasmussen says although there are a number of skilled feminist therapists in the province, they can't serve all the needs. The new certificate program will help to develop skills and knowledge of people who work with women in their professional and volunteer activities.

"Every day across the province, women seeking help with problems in their personal or professional lives are running into stone walls of misunderstanding."

Pat Rasmussen

"Counselling is emerging as a component of many jobs that traditionally do not require extensive training in this area,"

says Rasmussen. Nurses, pay equity officers and adult educators, for example, find themselves counselling women on a daily basis.

The program is designed by professionals who have a strong background in feminist theory. It includes psychology and sociology for women, feminist theory, and counselling skills. The part-time study program includes 194 hours of core and elective courses and 60 hours of practicum experience.

The certificate program does not train people to be professional therapists. The program will teach people how to counsel women in solving specific and everyday problems. Counsellors will also learn when to refer clients for in-depth therapy requiring more theoretical knowledge and experience.

Participants will focus on providing counsel which validates, nurtures and supports women, and values women's experiences. "Most of us have few skills for helping others deal with their problems. Often our first re-

sponse is to whisk in and take over, give advice, placate—none of which really helps," says Rasmussen.

The City of Edmonton's Community and Family Services general manager, John Lackey, says the Faculty's foresight has accurately pegged another emerging community need, that of counselling women.

Edmonton Women's Shelter executive director, Shelley Williams, in supporting the establishment of the program, says the program would greatly assist WIN Houses' employees.

Other organizations supporting the new program include Planned Parenthood Association of Edmonton, Camrose Women's Shelter, and Government of the Northwest Territories Social Services Department.

The program's first course will be offered this fall and organizers hope they'll offer distance education by 1993.

LETTERS

AN OPEN LETTER TO PRESIDENT PAUL DAVENPORT

As academic staff members of the University of Alberta dedicated to achieving excellence in both teaching and research in our various disciplines, we are distressed by recent changes which are obviously eroding the quality of the institution. Severe, long-term budget cuts are undermining an outstanding library, causing layoffs of skilled technical and support staff, forcing cancellation of courses and closure of entire departments, inflating enrollments in many undergraduate courses to ridiculous levels, and blocking access to the university for many qualified students. These adverse developments call for strong words and actions to prevent this from becoming a second-rate university. It should not be necessary for Albertans to go out of the province in order to obtain a first-rate education.

During this period of financial exigency, a small minority of our colleagues claims that employment equity programs are compromising the excellence of the University. This claim diverts attention from the real sources of our current difficulties and impedes positive changes which are needed in many sectors of the campus.

In particular, as male academics we reject the insinuation that women hired recently for faculty positions are somehow less than meritorious and that the University's scholarly excellence has been eroded as various departments strive to obtain a more representative gender balance and offer fresh new scholarly approaches to students. This insinuation casts doubt on the integrity of all female faculty members, is detrimental to morale and very divisive. We reject the claim that any consideration of gender in hiring decisions will always be antithetical to merit.

The effect of this campaign against equity would be to restore a model of the University in which there is no room for the social and intellectual diversity necessary to achieve its goal of excellence. The University will progress further towards this goal if our academic staff better reflects the composition of Canadian society.

The development of feminist and other new forms of critical scholarship at this institution is fostering an intellectual environment that is more hospitable to potential candidates and promising students from historically underrepresented groups, especially women. Some of our colleagues oppose these changes and hope for a return to obsolete policies. Reversion to these old practices would mean that many of the best young scholars and the most exciting new ideas would pass by the University of Alberta.

Accordingly, we applaud the recommendations of the President's Commission on Equality and Respect on Campus (PCERC) and we urge you to exercise strong leadership on employment equity. Following the PCERC Report's recommendations regarding equity in employment decisions, and former Vice-President (Academic) Peter Meekison's interpretation of GFC hiring policy, it is essential that the University make a clear public commitment to achieve greater representation on its staff of socially and economically disadvantaged groups. It is especially important, in order to dispel any confusion, to articulate how hiring on the basis of merit and increasing the proportions of underrepresented groups are complementary principles. Together, these principles will allow the University to strengthen the quality of its faculty in the face of impending academic labor shortages in many fields toward the end of the decade.

We should acknowledge collectively that the present situation is the historical consequence of how universities evolved in

Canada. Overt and covert discrimination as well as pervasive cultural practices discouraged many people from developing their academic abilities fully or achieving positions that their abilities warranted. No nation can prosper in the modern world if it holds back the aspirations of so many of its citizens.

The University of Alberta must be perceived as an employer of choice by members of historically underrepresented groups. Other major Canadian universities now have employment equity policies in place and are beginning to reap the benefits of increased recruitment of women and other minorities. We therefore must send out forceful signals to all potential candidates that we, as a scholarly community, encourage and support greater diversity in faculty composition, areas of inquiry, and methodological and theoretical approaches. Otherwise, our University risks becoming an intellectual backwater, reflecting the way scholarship used to be, rather than what it has the promise to become.

Don Carmichael, Political Science

Jim Creechan, Sociology

Claude Denis, Faculté Saint-Jean

Eric Higgs, Philosophy

John-Paul Himka, History

Jason Montgomery, Family Studies

Raj Pannu, Educational Foundations

Alan Rutkowski, Library

Stephen Slemon, English

Gordon Swaters, Mathematics

Doug Wahlsten, Psychology

KEEP SENSE OF PERSPECTIVE, CHAIR ADVOCATES

An article written by Gordon Freeman that appeared in the January 1991 issue of the *Canadian Journal of Physics* has generated concerns both within and outside the University regarding the relation between his comments and the policies and attitudes of the Department of Chemistry.

Dr Freeman has earned the respect of the scientific community for his research in radiation chemistry, and when he speaks on that subject he merits attention. But his opinions in any area outside his field of expertise are only opinions unless backed up with evidence acceptable to experts in that area. The editor-in-chief of the research journals of the National Research Council of Canada has publicly apologized for the article written in the *Canadian Journal of Physics* and stated that it was not science.

The opinions of any individual, speaking as an individual, should not be taken to be policy of a department, faculty or institution. To assume that Dr Freeman's opinions on working mothers are evidence for a departmental bias in hiring, as appears to be the case in the letter published in the 16 August issue of *Folio*, is unfair. Of approximately 1,000 applications for faculty positions in the department since 1965, less than one percent have been from women. This ratio, which is similar to that for chemistry departments in many other universities, makes it difficult to add qualified women staff.

Through the efforts of many dedicated individuals, such as Margaret-Ann Armour of this department, the number of women qualified for and interested in undertaking academic careers in chemistry is growing. But because the numbers are still small, change will be slower than we would like.

It is always worthwhile to try to keep a sense of perspective on an issue. Of the stream of ideas continually put forward for public scrutiny, a few survive the test of time, and some are foolish. We should rejoice in the good ideas, and smile at the foolish ones.

Byron Kratochvil

Chair, Department of Chemistry

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Display advertisements: 3 pm Thursday, eight days before desired publication date. Camera ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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Church educational activities in Arctic being studied by Carney

Robert Carney (Educational Foundations) is hoping his study of the educational activities of Anglican, Catholic and Moravian missionaries among the Inuit between the 1860s and 1960s will serve as a primary source for scholars and educators interested in intercultural education and northern history.

Dr Carney, who has been awarded a 1991-92 McCalla Professorship to do the work, says there's clearly a need for a revisionist approach to describe what it was the missionaries hoped to do, how they set about accomplishing those goals and just what Inuit people thought of what was presented to them.

One of the primary objectives of the study is to describe traditional Inuit cosmologies and missionaries' cosmologies. "I think those issues are always referred to, but they're never examined in any great depth. We forget the nature of those ideologies. What, for example, did the Moravians believe in in the 19th Century?"

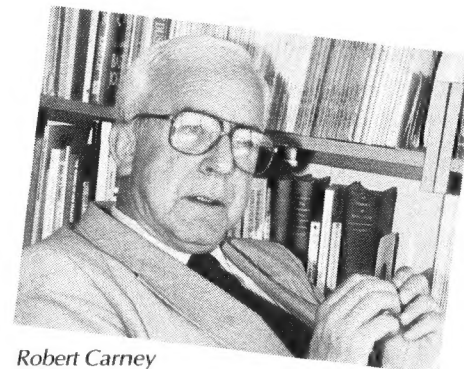
Tentatively entitled "*Christ Among the Inuit, Evangelization in the Arctic, 1860 to 1960*," the book will also include an examination of the methods and results of Christian programs of formal education and an examination of the relationships between Inuit and missionaries at a time when tremendous social, political and economic changes were occurring in the Arctic.

Dr Carney will be looking at the nature of the missions established in Labrador, Nouveau Québec and Northwest Territories, where they were, what they were involved in, who worked at them and what they wrote about their experiences, and what the Inuit thought of the missions.

"A very central aspect that we in a secular society have forgotten, or tended to ignore particularly after the Second World War, is the deep spiritual commitment, a belief system, at the core of both groups that material things, albeit important, are not that significant." Then, social scientists and government people arrived and weren't very interested in aboriginal spirituality. So, Dr Carney will examine this coming of the secular order.

The former principal of the federal school in Fort Smith in the early '60s and chief of school programs for the Government of the Northwest Territories will rely on his past experiences and research to help complete the study. Dr Carney expects to also do additional archival research, read missionary literature, examine missionary diaries and conduct interviews with Inuit elders.

Dr Carney, whose dissertation was on church-state relations in education in the Mackenzie District, says the Inuit school experiences were quite different than the experiences of other more southern natives in residential schools. For example, Inuit only began



Robert Carney

going to school in more recent times. They, by and large, attended day schools in their own communities and weren't sent off to residential schools.

"In 1947, about 10 percent of Inuit children between the ages of seven and 14 were regularly attending school and of that 10 percent, about 90 percent were in day schools," he explains, adding that attendance at these day schools was very much voluntary. The missionaries taught in Inuktitut and, in 1900, the curriculum was based on the three R's, world affairs and Bible stories.

Noting the national controversy concerning native peoples' experiences in residential schools, Dr Carney says wholly laudatory or negative generalizations are inappropriate. "We have to realize that the human experience is varied and people reacted differently to their various experiences."

The danger is that we talk about missionary education as a single phenomenon, when we really should be talking about its strengths and weaknesses, he says.



University
of
Alberta

LRT one year away from serving University campus

Coming to a campus near you. LRT service to University Station. And if all goes according to plan, that service could be at the University of Alberta's doorstep in one year's time.

"One year from now we intend to run the LRT to the University down this line," the Manager of the LRT Project Administration Branch, Rod Heise, told provincial, city and University officials 29 August. "This will mark the return of the 'trolley' or LRT to the southside."

A group of officials was given a tour of the project to mark the "365 day countdown" of the opening of the SLRT University Station, the largest station now on the City of Edmonton's LRT system.

Bob Kavanaugh, a Stanley Associates Engineering Ltd official, said the major civil engineering work on the Dudley B Menzies Bridge, the tunnel which travels under HUB Mall and the LRT University Station has been completed. More detailed work such as laying the rail, providing electrification and installing the signal system remains to be done.

Don Hickey, SLRT project manager of Stanley Associates, predicted that one year from now they would be able to say the project was on schedule and on or under budget. To date, the project is on schedule and under budget.



Beginning on the south river bank and travelling under HUB Mall, the tunnel to the LRT University Station is virtually complete. The major civil engineering work is done and now the rails, signals and electrical systems have to be installed.

Hickey said the project addresses concerns about cost effectiveness and humanistic needs, taking into account how Edmontonians feel about their river valley.

University of Alberta Associate Vice-President (Facilities) Don Bellow lauded the city for its vision and the province for its substantial support of the project (the province is footing 75 percent of the costs of construction). Dr Bellow said University Station is an important addition to the system, strengthening the links between "town and gown".

He said the University wants to develop 89 Avenue [where University Station entrances will be located] into a people space. The University looks forward to further developments of the LRT system down 114 Street, said Dr Bellow.

As part of the tour, a time capsule was placed in the LRT University Station wall. City, provincial and University officials placed assorted documents of the day in the capsule.

Multicultural staff training piloted in colleges, universities

The province's ethnic composition is changing. In the past five years, more than 70,000 new immigrants have settled in the province. The majority have come from Asia, Central/South America and Africa. Nearly 400,000 Albertans are first generation immigrants and nearly half a million are foreign born.

With these changes, greater pressures are now being placed on administrators, faculty and support staff at educational institutions such as the University of Alberta. And that's why the Alberta Multiculturalism Commission is joining forces with Edmonton's Alberta Vocational College (AVC) to pilot First Step: Managing Cultural Diversity in an Educational Setting.

Developed by the Commission, the training program has three modules to upgrade interpersonal and communication skills among an institution's staff.

"Cultural diversity is part of the current Canadian mosaic and this must be reflected in how we deal with our student clientele," says Michael Andrews, president of AVC. Equitably accommodating new staff and students in a way which reflects the new cultural values of today's society is an acquired skill, not a natural talent.

More than 200 AVC staff members have taken the program and found it to be useful in better understanding and dealing with cultural diversity in the workplace.

"The course is worthwhile in the context of the global village we all share," says Christopher Harrison, AVC's Dean of Student Affairs.

Since every campus is different, the package is tailored and modified for each institution. Selected staff members are trained to present workshops to their colleagues.

The first workshop, Challenge at Treaty River, simulates interpersonal skills for administrators and encourages them to adopt attitudes that will work in culturally diverse management situations. The second workshop, A Part of Someone's Life, is a workshop for instructors to develop an understanding of today's diverse student body.

The third workshop, Walk a Mile, is designed to increase support staffs' cultural understandings and cross-cultural abilities.

Encouraged by the pilot program's success, the Alberta Multiculturalism Commission and AVC are promoting First Step among the province's other postsecondary institutions. As part of the Commission's mandate, the program was developed to be used by other public sector organizations, explains Caterina Grego-Mangone, manager of the Commission's Managing Diversity program.

"The mandate of the Commission is to help all sectors of society value, respect and benefit from Alberta's existing cultural diversity. First Step has proven itself at AVC. We think all postsecondary institutions will find it as valuable."

AVC's manager for the program, Dini Steyn, says "with so much competition for dollars and qualified staff, institutions can't afford to ignore the fact that individual demands and expectations have changed. Colleges and universities that do not learn to cope effectively will lose or may never get the type of skilled staff and instructors they need to maintain a positive learning environment."

Information tours are planned for the fall and will involve group presentations to key university and college administrators and senior faculty members.

Computer modelling helps diabetes research

Even with recent advances such as the transplantation of insulin-producing islet cells, effective treatment of diabetes remains a complex challenge. To unravel that complexity, University of Alberta Heritage Medical Scholar Diane Finegood is studying the interactions between insulin secretion, insulin action, and glucose effectiveness.

Diabetes develops either because a person does not have enough insulin to manage the transfer of blood sugar into the cells that need it (insulin deficiency is characteristic of Type I diabetes), or because the body's cells become resistant to the action of the insulin that is secreted (insulin resistance is characteristic of Type II).

Yet both problems occur to some extent in both types of patients, and Dr Finegood wants to know how the two problems might contribute to each other. She is also looking at the role of glucose effectiveness—that is, the rate at which the glucose itself moves into tissues, independent of the influence of insulin—and finds that it appears to be more important than previously recognized.

Dr Finegood says, "This quantitative relationship among the number of [insulin-producing] beta cells, the level of insulin action, and the degree of glucose effectiveness is extremely important both in stopping the onset of new diabetes and in treating the person who is already diabetic."

Dr Finegood is the first researcher in Canada to use a novel computer modelling technique that makes it possible to study the interaction between those variables. The procedure begins with a relatively simple clinical test to measure glucose and insulin levels after a glucose injection. The computer model then quantifies the patient's insulin resistance and

glucose effectiveness, making subtle distinctions between the two parameters.

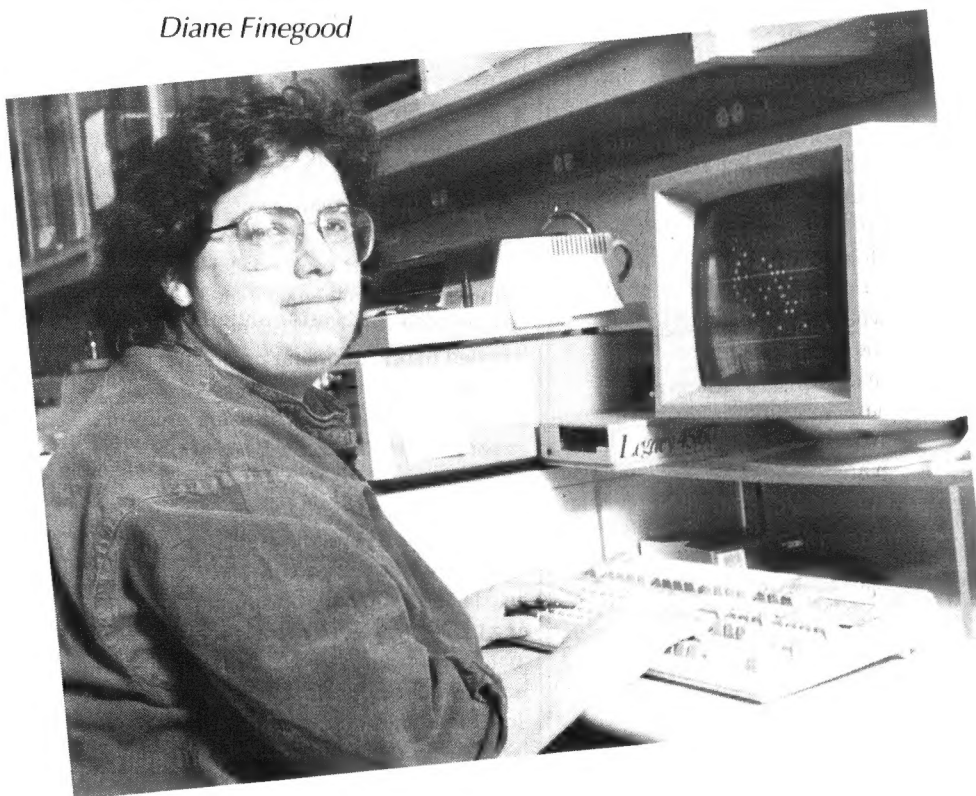
Those distinctions made, the modelling technique then enables the researcher to determine how the two factors relate to a particular disease state, how they will change under

different circumstances, and so on. "It's a very powerful model," Dr Finegood says, "and it gives us important information we would not otherwise have."

Funding for this work has come from the Medical Research Council of Canada, the Muttart Diabetes Research and Training Centre, the Juvenile Diabetes Foundation International, and the Canadian Diabetes Association.

"It's a very powerful model and it gives us important information we would not otherwise have."

Diane Finegood



Heritage Medical Scholar Diane Finegood

Academic Staff Promotions

(effective 1 July 1991)

NAME	DEPARTMENT	NEW RANK
Agriculture and Forestry		
JS Sim	Animal Science	Professor
JR Spence	Entomology	Professor
FE Robinson	Animal Science	Assoc Professor
AM Flanagan	Plant Science	Assoc Professor
Arts		
OB Beattie	Anthropology	Professor
EL Ingram	Art and Design	Professor
HM Fraccia	Classics	Professor
M Gualtieri	Classics	Professor
S Bagchee	English	Professor
RB Qureshi	Music	Professor
PF Dixon	Psychology	Professor
B Medwidsky	Slavic and EEur St	Professor
SM Abu-Laban	Sociology	Professor
J Selman	Drama	Assoc Professor
ME Henn	Germanic Lang	Assoc Professor
J Jay	History	Assoc Professor
E McDougall	History	Assoc Professor
WH Street	Music	Assoc Professor
C Judson	Political Sc	Assoc Professor
J Paltiel	Political Sc	Assoc Professor
MRW Dawson	Psychology	Assoc Professor
A Hornjatkevyc	Cdn Inst of Ukr St	Assoc Professor
Business		
R Morck	Fin and Mgmt Sc	Professor
Dentistry		
JF Wolfaardt	Rest Dentistry	Professor
Education		
P Koziey	Educ Psychology	Professor
WD Samiroden	Secondary Educ	Professor
L LaRocque	Educ Admin	Assoc Professor
JF Peters	Educ Admin	Assoc Professor
E Callan	Educ Foundations	Assoc Professor
M Bibby	Educ Psychology	Assoc Professor
SC Chard	Elementary Educ	Assoc Professor
ML Iveson	Secondary Educ	Assoc Professor
Engineering		
WA Krzymien	Electrical Eng	Professor
M Rao	Chemical Eng	Assoc Professor
FE Hicks	Civil Eng	Assoc Professor
DJ Steigmann	Mechanical Eng	Assoc Professor
Library		
IP Hooper	Library	Librarian 3
VK Janssen	Library	Librarian 3
JL Colter	Library	Librarian 2
S Wilkins	Library	Librarian 2
Medicine		
L Sigler	Devonian Garden	Assoc Professor
RO Ryan	Biochemistry	Assoc Professor
MG Donoff	Family Medicine	Assoc Professor
EM Bruera	Medicine	Assoc Professor
RN Fedorak	Medicine	Assoc Professor
GJ Sheehan	Medicine	Assoc Professor
GD Taylor	Medicine	Assoc Professor
NA Parfrey	Pathology	Assoc Professor
NM Kneteman	Surgery	Assoc Professor
Nursing		
MN Allen	Nursing	Professor
ID Forrest	Nursing	Professor
AE Molzahn	Nursing	Assoc Professor
Pharmacy and Pharmaceutical Sciences		
YK Tam	Pharmacy	Professor
Physical Education and Recreation		
AB Nielsen	Phys Ed and Sp St	Professor
D Shogan	Phys Ed and Sp St	Professor
M Bouffard	Phys Ed and Sp St	Assoc Professor
Rehabilitation Medicine		
YN Bhambhani	Occup Therapy	Assoc Professor
TP Martin	Phys Therapy	Assoc Professor
Science		
NJ Dovichi	Chemistry	Professor
GGH Cliff	Mathematics	Professor
Y Wong	Mathematics	Professor
RA Palmer	Zoology	Professor
P Gburzynski	Computing Sc	Assoc Professor
B Joe	Computing Sc	Assoc Professor
AE Kamal	Computing Sc	Assoc Professor
P Rudnicki	Computing Sc	Assoc Professor
LK Stewart	Computing Sc	Assoc Professor
J You	Computing Sc	Assoc Professor
JWH So	Mathematics	Assoc Professor
WF Bischof	Psychology	Assoc Professor
JP Chang	Zoology	Assoc Professor
JI Goldberg	Zoology	Assoc Professor

LAURELS

■ **Duncan Fishwick** (Classics) recently became the first Canadian to be elected a correspondent to the Académie des Inscriptions et Belles-Lettres, Institut de France.

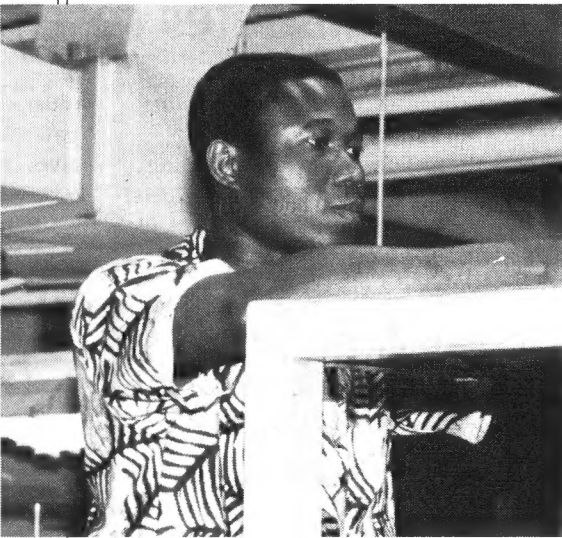
■ **Jane Watkinson** (Physical Education and Sport Studies) has been named CAHPER Scholar 1991 by the Acadian Association for Health, Physical Education and Recreation. Dr Watkinson specializes in the development of physical skills in mentally-handicapped children, and is also involved in the professional preparation of physical educators who teach children with special needs in integrated and special programs.

The CAHPER Scholar Program, supported by Fitness Canada, was established in 1989 to sponsor scholarship among physical educators and professionals in related fields, and to encourage and support research in physical education.

Dr Watkinson delivered the R Tait McKenzie Memorial Lecture this summer at Queen's University, where CAHPER's annual conference was held.

■ **Patrick Neary** has been selected to receive the 1991 "Young Investigator Award" from the Canadian Association of Sport Sciences. He submitted work from his doctoral research entitled "Experimental Studies on the Physiological Adaptations of Tapering in Endurance Cyclists" for the competition. Neary will receive his PhD at the 1991 fall convocation.

Wood helping Noranda improve efficiency



Reg Wood (Chemical Engineering) is conducting research to develop a computer model which would eliminate the need for on-line particle-size monitors in mineral processing plants.

Working with Noranda's Hemlo Gold Mine in Northern Ontario, the U of A chemical engineer is hopeful his work can be applied to other mineral processing plants which use hydrocyclones, a piece of equipment widely used in processing solids to separate particles on the basis of size and/or density.

The major cost of operating mineral processing plants is the crushing and grinding of the ore. On-line particle-size monitors are used to control that grinding process. According to Dr Wood, better control would eliminate overgrinding and the associated unnecessary costs. Insufficient grinding also means the loss of valuable minerals.

The model, which would be calibrated for particular mineral processing plants, would provide inferential measurement of particle

Smith hopes to advance research on gambling



Garry Smith wants to know the social and economic impacts of legalized gambling on the community.

The increase of legal gambling activities over the last two decades in Alberta has occurred with remarkably little public debate. That's surprising, says Garry Smith (Physical Education and Sports Studies), who will spend the next year or so studying the causes, conditions and consequences of legalized gambling in the province.

Supported by a 1991-92 McCalla Professorship, Dr Smith wants to evaluate gambling policies and programs in the province; determine the social impact of legal gambling on Albertans; and assess the importance of legal gambling revenues for licenced charities and government.

But more than that, Dr Smith wants to develop a comprehensive and coordinated gambling policy he hopes the provincial government will find useful. On a more theoretical level, he wants to advance gambling studies theory to deal with issues such as social class, gambling and gender, compulsive gambling and criminal behaviour.

No one in the province has really looked at the legalized gambling scene in Alberta in a comprehensive way, says Dr Smith. Nor are there many researchers in the province who have the expertise to do so.

Study indicates genetics may play big role in whether cancer develops

It may soon be possible to routinely identify precancerous breast tissue, given the results of a recent study by University of Alberta cytopathologist G Berry Schumann and colleagues at the University of Utah Medical Center.

The researchers studied poliferative breast disease (PFD)—an excessive production of cells lining the milk ducts—in an effort to identify who is at greatest risk for developing cancer.

One goal of the study was to better clarify the cellular changes at various stages of PFD, looking for markers that might indicate which kinds of changes are most likely to become cancerous. Another goal of the study was to see whether those markers were more likely to appear in women with a family history of breast cancer.

Using fine-needle aspiration, samples of breast tissue were taken from women with a family history of the disease and from women without such a history. None of the subjects had any detectable lumps in their breasts; all showed negative mammography results.

The researchers were able to distinguish different types of poliferative disease, and confirmed that certain changes—called atypical hyperplasia—are a significant marker of precancerous development. They also found that this marker appeared much more often in

Legal gambling is by and large a "harmless amusement" for most people, says Dr Smith, who doesn't consider himself to be "anti-gambling". Two-thirds of adults have gambled in the last year and roughly 600 people in Edmonton and area attend casinos on a given day. Of those people, 200 to 300 would be regulars.

"The average Edmontonian really isn't aware of the extent of legalized gambling, where the money comes from and where the money goes," says Dr Smith. They're really only aware of it when some kind of scandal becomes public.

Many people have a stake in legalized gambling. Governments rely on gambling revenue. That dependency makes it difficult to resist new gambling initiatives or to curtail existing ones even when negative consequences outweigh positive benefits. Amateur sports organizations and charity groups derive millions of dollars in revenues from two main types of gambling: lotteries and gaming activities such as bingos, casinos, raffles and sports pools. These groups would find it difficult to survive without these revenues, says Dr Smith.

Indeed, there's competition for the gambling dollar. The most publicized infighting has been between the horse racing and lottery factions. Racing operators in the province

have blamed declining track revenues on aggressive lottery promotion.

Lower income groups are disproportionately involved in most of the legal forms of gambling, says Dr Smith, but that doesn't mean middle- and upper-class people don't gamble. They may, for example, decide to gamble in places like Las Vegas and can afford to do so.

Dr Smith plans to conduct his research by visiting gambling venues and by speaking with elected officials, government regulators, entrepreneurs, employees in the gambling industry, executives of amateur sports and charity groups, police, social services officials, Gamblers Anonymous officials, and people who gamble.

Dr Smith has always been interested in the question of why people persist in gambling when most of them know they are bound to lose. One possible explanation is that some people view their losses as an "entertainment fee" in a social club.

He points out that there are very few good gamblers. It's hard work, he says, noting that good gamblers must have three attributes to succeed: a thorough knowledge of the game they're betting on; an ability to manage money; and emotional control. "Very few people have all three."

CURRENTS

NEW ENVIRONMENT COURSE OFFERED

Canadian Studies is offering a new course entitled "Canadian Environmental Issues, Policy and Law", an interdisciplinary examination of related ideas, policy and law. For more information on the seminar course, offered Tuesday evenings 6:30 to 9:30, call 492-5086.

ROYAL GLENORA SHARES FOR SALE

The University has been left two common shares of the Royal Glenora Club. Anyone interested in purchasing these shares can call the Investment and Real Estate Office, 492-4974.

IMPROVE YOUR WRITING SKILLS

If you would like to improve your writing skills, call 492-2682 for more information on the following noncredit course: "Writing for University". The course, which includes private tutorial help, is being offered by Effective Writing Resources, a division of Student Services. Classes are \$40 and workshops are \$30. Reduced fees are available for U of A students.

ORIENTATION FOR GRADUATE TEACHING ASSISTANTS

The annual orientation for graduate teaching assistants this year features 15 seminars or workshops taking place between 4 and 16 September. Seven video programs are also available in Cameron Library. Professors are urged to encourage their teaching assistants to attend. The newly developed Teaching Resource Manual for graduate teaching assistants will also be distributed this fall.

United Church Campus Ministry
WORKSHOP

“IN THE KEY OF LIFE”

MONDAY
8:00 A.M.
WORSHIP
ROOM 158A THE MEDITATION ROOM
TO BEGIN OUR WEEK WE COME TO DISCERN THE SPIRIT’S CALL
AND SUPPORT EACH OTHER IN OUR WRESTLINGS WITH LIFE

MONDAY
12:30 GARNEAU UNTED CHURCH
"SIMPLY MAKING IT THROUGH THE WEEK:
MEDITATION, JOURNALLING AND
CONTEMPLATIVE PRAYER FOR SURVIVAL "
LEARNING THE DISCIPLINE OF SEEING THE ORDINARY AS SACRED
AND LIVING A PASSIONATE LIFE.

TUESDAY
12:25
ECUMENICAL EUCHARIST
158A MEDITATION ROOM
SHARING THE TABLE AND LIFE WITH OUR ECUMENICAL FRIENDS.
Office: 158E SUB
phone: 492-4621

EVENTS

EXHIBITIONS

BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

Until 14 September

"Most Delicate and Lovely Plants"—botanical illustration over the centuries, featuring contemporary drawings of Alberta plants by John Maywood. Hours: Monday to Friday, 8:30 am to 4:30 pm; Saturday and Sunday, closed. B-7 Rutherford South.

CLOTHING AND TEXTILES

Until 1 November

"Textileworking"—an exhibition on the production of fabric, its decoration, and its construction into garments. Basement, Home Economics Building.

MCMULLEN GALLERY

Until 31 October

"Window to the Future, '91"—a juried exhibition of the work of emerging Alberta artists. Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm (subject to availability of volunteers). Information: 492-8428, 492-4211. Walter C Mackenzie Health Sciences Centre.



Richard Rogers, Farm Auction, oil on canvas at the McMullen Gallery.

TALKS

ART AND DESIGN

24 September, 5 pm

Lynne Allen, "Her Own Work and Contemporary Printmaking in the USA." 2-20 Fine Arts Building.

CANADIAN MEDITERRANEAN INSTITUTE

12 September, 7:30 pm

Duncan Fishwick, "The Roman Imperial Cult." Archives Room, Provincial Museum.

ENGLISH

12 September, 3:30 pm

Mary Poovey, Johns Hopkins University, "Race and Gender in Our Mutual Friend." 5-20 Humanities Centre.

13 September, 1 pm

Mary Poovey, "Why is a Literary Critic Writing the History of Statistics?" 5-20 Humanities Centre.

ENGLISH AND WOMEN'S STUDIES

16 September, 4 pm

Catherine Belsey, University of Wales, "Writing About Desire." 5-20 Humanities Centre.

17 September, 3:30 pm

Catherine Belsey, "Feminist Theory and Postmodernism, Part I." 5-20 Humanities Centre.

19 September, 3:30 pm

Catherine Belsey, "The Name of the Rose in Romeo and Juliet." 5-20 Humanities Centre.

ENVIRONMENTALLY RELATED SEMINARS AND EVENTS

If you wish to have an environmentally related event listed under this section, please contact: The Environmental Research and Studies Centre, 492-6659.

GEOGRAPHY

6 September, 3 pm

Haim Tsoar, chairman, Geography Department, Ben Gurion University of the Negev, "Linear Dunes." 3-36 Tory Building.

11 September, 3:30 pm

Vasily Morachevsky, head, Department of Geocology, Leningrad State University, USSR, "Geocology as a Branch of General Ecology (Relationship to Geography and Systematic Methods of Study)." TBW-2 Tory Breezeway.

16 September, 2:30 pm

Dr Morachevsky, "Classification of Anthropogenic Transport and Interpretation." Cosponsor: Institute of Earth and Planetary Physics. 631 Physics Building.

18 September, 7 pm

Dr Morachevsky, "Principles of Global and Regional Monitoring of the Ecological Situation in Air, Water, and Soil." Cosponsor: IEPP and Canadian Meteorological and Oceanographic Society. 3-36 Tory Building.

HISTORY

13 September, 3 pm

Stephen J Randall, Imperial Oil-Lincoln McKay Professor of American Studies, University of Calgary, "The Cold War, Mutual Security and the Search for the Vital Centre: United States-Latin American Policy During the Truman and Eisenhower Years." 2-58 Tory Building.

MEDICINE

30 August, 4 pm

Chi-Ming Lee, Biochemistry, The Chinese University of Hong Kong, "The Signal Transduction Mechanism of Tachykinin Receptors." 7-62 Medical Sciences.

NURSING

9 September, 4 pm

M Patricia Donahue, associate professor, College of Nursing, The University of Iowa, "A Philosophy of Nursing Education: Isabel Maitland Stewart." 2-117 Clinical Sciences Building.

POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

ACADEMIC

DIRECTOR, DEVONIAN BOTANIC GARDEN

The internationally networked Devonian Botanic Garden is a research centre for conservation, maintenance, and development of living plant material. It has collections of indigenous and exotic plants in a scenic, 190-acre parkland setting, and a newly completed 5-acre Japanese garden. The Devonian Botanic Garden is a resource for the academic community and an extension facility for the general public. With one of Canada's foremost fungus collections, it is an interdisciplinary research unit under the Vice-President (Research). The operating budget is provided by the University, but it receives significant outside funding from donations, research grants and contracts.

The Director is responsible for nine full-time and about twenty seasonal support staff and interacts with two academic staff.

Qualifications: A demonstrated ability to liaise effectively with the academic and lay communities; strong interpersonal skills; a sound knowledge of horticultural practices and plant materials; a substantial administrative record within a botanic garden or similar horticultural research facility. Ability to secure external funding would be an asset. Candidates should have doctoral degrees or other backgrounds meeting the above requirements. Appointment will be as an Administrative Professional Officer unless the successful applicant holds a tenurable academic appointment in a University of Alberta department, in which case a secondment to the Garden will be required. Tenurable applicants should have a proven record of research, preferably including publications compatible with the teaching role of the Garden. Salary, commensurate with qualifications and experience, minimally \$44,272.

Submit *curriculum vitae*, together with names of three referees, to: Ms Barbara Bohdan, Executive Assistant to the Vice-President (Research), University of Alberta, 3-12B University Hall, Edmonton, Alberta T6G 2J9. Fax: (403) 492-1438. Deadline for applications: 15 October 1991. Preferred starting date: 1 January 1992.

HUMANITIES AND SOCIAL SCIENCES LIBRARIAN, UNIVERSITY OF ALBERTA LIBRARY

Your challenge: Reporting to the Director of Libraries, you will administer the activities of the Humanities and Social Sciences Library. Your primary responsibilities will include: planning and delivering public services to 8,000 students and 600 faculty in the Faculties of Arts, Business and Graduate Studies; developing, implementing and administering policies for collections; ensuring that operations are carried out efficiently and effectively. You will administer activities of the library's distributed facilities: Periodicals and Micromaterials, Bruce Peel Special Collections, Government Documents, and Business. You prepare and control a \$1,750,000 operational and a \$1,250,000 materials budget.

You also work closely with and provide service to the Faculty of Physical Education and Recreation, the schools of Library Information Studies and Native Studies, the University community and the general public.

You will provide leadership in meeting faculty and student needs for research and instruction through the strengthening of reference services and the ongoing development of electronic information services and maintain effective links with faculty and academic programs. You will take an active role in efforts to improve access to humanities and social sciences information.

As senior manager, you will participate in the management of the University of Alberta Library System through your membership on the Library Administrative Council and the development and administration of projects in conjunction with other areas.

Your credentials: You have a Master of Library Science from an accredited program, advanced degree in the Humanities and Social Sciences or related discipline and at least five years of progressively responsible experience in library management. You demonstrate effective interpersonal and communication skills; are innovative; function as leader and team member; understand the process of scholarly communication and the complexities of a major research library; and work with automated and online information systems.

Our context: The University is located in the capital city of Alberta, population: 750,000.

The University library, one of Canada's largest research libraries, is a member of CARL and ARL and serves a total student body of 30,000 and full-time faculty of 1,580. Our strategic plan emphasizes enhanced public services, a new integrated automated system, and extensive networking. We expect to appoint you at the tenure track Librarian 7 level: \$60,083-\$83,381, starting 1 February 1992. We offer excellent fringe benefits.

Please send your *curriculum vitae* and the names of three referees by 31 October 1991 to: Sieglinde EH Rooney, Associate Librarian, Operational Support Services, Chairman, HSS Librarian Selection Committee, University of Alberta Library, Edmonton, Alberta, T6G 2J8.

ADMINISTRATIVE PROFESSIONAL OFFICER (PERSONNEL ADMINISTRATOR), DEPARTMENT OF PHYSICAL PLANT

The Department of Physical Plant invites applications for Administrative Professional Officer (Personnel Administrator). Reporting to the Plant Administrative Officer, the incumbent is responsible for administering Human Resource policies and procedures, coordinating Physical Plant safety programs, and for special management projects. The incumbent serves as an active member of the Physical Plant Management team, as well as on a variety of standing and ad hoc committees for Physical Plant, Personnel Services and Staff Relations and Pensions and Benefits.

Applicants should have an undergraduate degree supplemented by several years' related experience demonstrating proven management ability, strong communication and interpersonal skills, excellent writing and editing skills and experience in policy development. An equivalent combination of education and experience will be considered.

The current salary range is \$38,108 to \$57,164 per annum. Letters of application accompanied by a résumé and the names of three referees should be sent to: Tom Moore, Plant Administrative Officer, 420 General Services Building, by 6 September 1991. The search is limited to current employees of the University of Alberta.

ADS

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 30 August 1991. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 30 August 1991.

The limited number of vacancies is a result of the current Support Staff hiring freeze.

Applications for regular operating budget funded University positions (both full-time and part-time) are initially restricted to current bargaining unit employees. This is due to the current hiring freeze. Applications may be accepted from external applicants for some positions after internal staffing has been explored.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.

SECRETARY (Grade 5) (Half-time), Faculty of Business (Undergraduate Program), (\$892 - \$1,105) (prorated)

SECRETARY (RECRUITMENT COORDINATOR) (Grade 5), Faculty of Business (Placement Services), (\$1,784 - \$2,210)

SECRETARY (Grade 5), Faculty of Nursing, (\$1,784 - \$2,210)

ACCOUNTS CLERK (Grade 5), Office of the Comptroller (Special Funds & Research Accounting), (\$1,784 - \$2,210)

SENIOR ACCOUNTS CLERK (Grade 6), Office of the Comptroller (Budget/Capital), (\$1,952 - \$2,433)

SECRETARY (Grade 6), Plant Science, (\$1,952 - \$2,433)

MEDICAL STENO (Grade 6) (Trust), Medicine, (\$1,952 - \$2,433)

MEDICAL STENO (RESEARCH SECRETARY) (Grade 6) (Trust), Medicine, (\$1,952 - \$2,433)

FOOD SERVICE ASSISTANT (Recurring Term) (Grade 1) (40 hr/wk), Housing and Food Services, (\$1,442 - \$1,778)

FOOD SERVICE WORKER (Grade 2) (40 hr/wk), Housing and Food Services, (\$1,558 - \$1,921)

STOREMAN (Recurring Term) (Grade 4) (40 hr/wk), Housing and Food Services, (\$1,867 - \$2,300)

VEHICLE OPERATOR (Recurring Term) (Grade 4) (40 hr/wk), Housing and Food Services, (\$1,867 - \$2,300)

RESEARCH AND PLANNING ANALYST (STATISTICAL ANALYST) (Grade 6), Office of Budget and Statistics, (\$1,952 - \$2,433)

ADMINISTRATIVE ASSISTANT (TRAVEL COORDINATOR) (Grade 7), Office of the Comptroller, (\$2,125 - \$2,663)

TECHNOLOGIST (Grade 8) (Split Funded), Zoology, (\$2,296 - \$2,895)

TECHNOLOGIST (Grade 9) (Trust), Obstetrics and Gynaecology, (\$2,484 - \$3,152)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

CLERK STENO II (Trust), Anatomy and Cell Biology, (\$1,350 - \$1,677)

MEDICAL STENO (Half-time/Trust), Medicine, (\$839 - \$1,072) (prorated)

TECHNICIAN I (Trust), Pharmacy, (\$1,738 - \$2,234)

TECHNOLOGIST I/II (Trust/Term to 31 March 1992), Plant Science, (\$2,143 - \$3,018)

ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

VISITING TORONTO? Bed and breakfast in our restored downtown home from \$45 daily. Furnished apartment, available on weekly basis. (1-4 people). Ashleigh Heritage Home (416) 535-4000.

RENT - Deluxe lakefront home, Pigeon Lake. One hour to Edmonton, excellent retreat. Nonsmoking, no pets. Available weekly/monthly. 492-5176, 444-7295.

SALE - Luxury condo, two bedroom, recently renovated. Air conditioning, pool, sauna, whirlpool, underground heated parking, five appliances. One block from Law Centre. Asking \$155,000, obo. Phone 1-342-0050 for Barbara.

RENT - Mature, financially stable, nonsmoking individual(s) to sublet two bedroom home near University from November - July (includes garage). \$500, not including utilities. Call 432-0643 or 471-2262 ext. 2326.

SALE - Grandview, reduced super four bedroom home tailored for family living. Close to school and bus. Gorgeous lot. Call Joan Lynch, Re/Max Real Estate, 433-9025, 438-7000 for details.

SALE - Windsor Park. Looking for a well maintained three bedroom bungalow so you can walk to University or hospital? Call Joan Lynch, Re/Max Real Estate, 433-9025, 438-7000.

SALE - Executive bungalow in prestigious Blue Quill Estates. Minutes from University. Quick possession, call Dan Hunka, 438-5100.

SHARE - Two bedroom house, walk to University. Five appliances, \$300/month plus utilities, deposit \$300. Available 1 September, nonsmoker, 432-0361.

SALE - Best buy - Twin Brooks. Three bedroom plus den. Ensuite jacuzzi, three full baths. Landscaped, deck, double attached garage insulated and drywalled. \$179,900! Glenn/Nancy Steen, Re/Max Realty, 498-1865, 439-7000.

SALE - Southwest custom five bedroom plus den executive home. Cul-de-sac, close ravine. Large jacuzzi ensuite. Beautifully landscaped with low maintenance. Deck, large kitchen. Glenn/Nancy Steen, Re/Max Realty, 498-1865, 439-7000.

SHARE - Professional businesswoman has a furnished townhouse. Fireplace, five appliances, busline. Prefer mature nonsmoking female. Call 457-8275 evenings.

RENT - on southside: responsible adult. Basement suite, shared kitchen/laundry room. Bus to campus outside the door. \$350/month. Call during day 423-2141, ask for Carol.

RENT - from November to April. Furnished (includes grand piano) three bedroom townhouse in quiet neighborhood near University, \$900. 492-1279, 438-1068.

RENT - Furnished house in southwest (Yellowbird). September - August. Three plus one bedrooms, 438-4233, 492-5733.

RENT - Windsor Park: looking for people who appreciate a very fine three bedroom home. Main floor only, newly renovated, designer kitchen, lots of hardwood floors. \$1,400/month, 499-1936.

RENT - Westend executive home. Nonsmokers, no pets, adults only. Furnished, unfurnished, \$2,400/month, negotiable, 483-5029.

RENT - Four bedroom house. Five minute walk, south of University, \$900, 488-1418.

RENT - Two bedroom house very well kept with nice yard and deck. Very close to University. 11260 78 Avenue. \$600, includes utilities, 1 October, 492-7696, 436-8575.

RENT - Opposite University. Large room, private bathroom, quiet home. Mature male graduate student or faculty, nonsmoker, 433-7197.

ACCOMMODATIONS WANTED

MALE PROFESSOR needs one room near University area no later than 1 October. Nonsmoker, can share kitchen and bathroom. Bert, 1-284-3251, or messages at 492-3029.

GOODS FOR SALE

CASH PAID FOR APPLIANCES, 432-0272.

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TECHNICAL EDITOR - and writer is fully conversant with APA, Vancouver, and MLA Styles. References. Call Patricia Craig at 492-5837 or 484-1922.

MUSIC THEORY - Experienced and qualified teacher is accepting students of all ages for lessons. Qualifications include Royal Conservatory of Music with local training, as well as European musicians. Call 434-8242.

Continued on next page

The University of Alberta

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is being delivered by

Priority One Human Resources Incorporated

Their office is located at:

Campus Towers (lower floor)
8625-112 Street, Edmonton, Alberta

Monday to Thursday:
9am to 9pm

Friday:
9am to 6pm

Telephone:
433-6811 (24-hour answering service)

Should you or your immediate family find yourselves in a personal or work-related difficulty that could be helped through psychological counselling, you are encouraged to call Priority One.

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MISCELLANEOUS

SIX FIGURE INCOME - Either you want financial freedom or you don't. Let's find out! Call 491-6011, 24 hour/message.

LOST YOUR POSITION with the KGB? Not to worry! We at Mensa Canada will have you. Just call John Scott at 473-3566, or Robert Lamont at 438-5717.

SU President

Continued from page 1

On the quality of education issue, Dumouchel says from an Arts perspective, students are writing fewer papers and more multiple choice exams. He believes that's unfortunate [students writing fewer papers] because "that's where you learn the most."

He says the increasing recognition on campus of the importance of teaching is growing in prominence, "but there's still a ways to go."

The SU will be pursuing the idea of a student guide to good and bad teaching. "I still think it's a good idea...but obviously the professoriate wouldn't agree." Dumouchel ties the issue of good teaching to two prominent trends in society: a crisis of confidence in our leaders and the growing insistence on accountability.

Nor does Dumouchel believe the SU is immune. He wants to "get back in touch with students." And on a consistent and regular basis, he wants to gather student input to help the SU determine where it stands on the issues.

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JAVA JIVE

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Varsity

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